

## Product Datasheet

### ESR1/ER Antibody (Center) (orb1936599)

<b>Catalog Number</b>	orb1936599
<b>Category</b>	Antibodies
<b>Description</b>	Affinity Purified Rabbit Polyclonal Antibody (Pab)
<b>Target</b>	ESR1
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse
<b>Predicted Reactivity</b>	Equine, Porcine, Rat
<b>Form/Appearance</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Immunogen</b>	This ESR1/ER antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 246-273 amino acids from the Central region of human ESR1/ER. Antigen Region: 246-273 aa.
<b>UniProt ID</b>	<b>P03372</b>
<b>MW</b>	66216 Da
<b>Tested applications</b>	IF, IHC-P, WB
<b>Dilution range</b>	IF - 1:10-50, WB - 1:2000, IHC-P - 1:100

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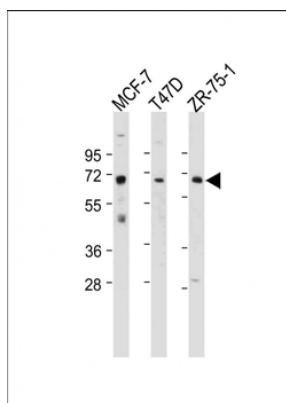
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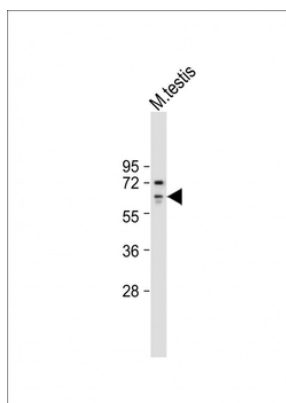
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<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	BTD55029
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
<b>Note</b>	For research use only
<b>NCBI</b>	<b>NP_000116.2, NP_001116214.1, NP_001116212.1, NP_001116213.1</b>
<b>Expiration Date</b>	12 months from date of receipt.



All lanes: Anti-ESR1/ER Antibody (Center) at 1:2000 dilution. Lane 1: MCF-7 whole cell lysate. Lane 2: T47D whole cell lysate. Lane 3: ZR-75-1 whole cell lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 66 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-ESR1/ER Antibody (Center) at 1:2000 dilution + Mouse testis whole cell lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 66 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

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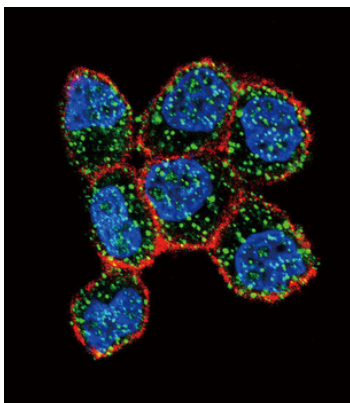
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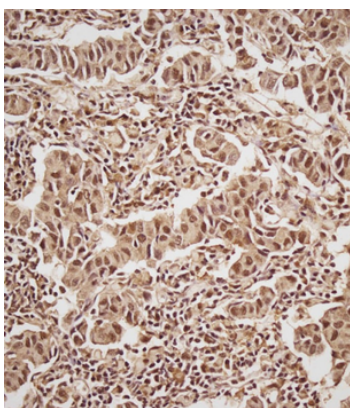
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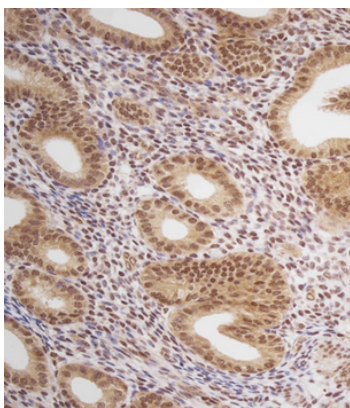
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Confocal immunofluorescent analysis of ESR1/ER Antibody (Center) with ZR-75-1 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



Immunohistochemical analysis on paraffin-embedded Human breast carcinoma tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9.0). Samples were incubated with primary antibody (1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary Antibody.



Immunohistochemical analysis on paraffin-embedded Human uterus tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9.0). Samples were incubated with primary antibody (1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary Antibody.

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